

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> CRAWFISH RIVER	<b>Waterbody ID Code</b> 829700	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20169030-14-01
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<b>Sampling Location</b> <i>Along Hughes - 200 m downstream of CTH TT NC-346</i>	<b>Database Key</b> 135522839
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<b>SWIMS Station ID</b> 10017258	<b>SWIMS Station Name</b> CRAWFISH RIVER- CTH TT
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<b>Latitude</b> 43.30517	<b>Longitude</b> 88.92216	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <u>GPS</u>	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> UPPER ROCK	<b>Watershed Name</b> LOWER CRAWFISH RIVER	<b>County</b> DODGE
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> AMRHEIN, JAMES	<b>Project Name</b> SOUTH DISTRICT NC STREAM STRATIFIED SITES 2016
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**Sampling Device**

Kick Net     
  Surber Sampler     
  Eckman  
 Ponar     
  Artificial Substrate     
  Hess Sampler     
  Other: \_\_\_\_\_

**Habitat Sampled**

Riffle     
  Run     
  Pool  
 Other     
  Shoreline Composite     
  Proportionally-Sampled Habitat  
 Littoral Zone     
  Profundal Zone     
  Wetland

<b>Total Sampling Time (min)</b> 1	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
  Other: \_\_\_\_\_

<b>Water Temp. (C)</b> 15.6	<b>D.O. (mg/l)</b> 8.2	<b>D.O. (% sat.)</b> 82.5	<b>pH (su)</b> 8.1	<b>Conductivity (umhos/cm)</b> 640	<b>Transparency (cm)</b> 29
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<b>Water Color</b> <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b>	<b>Average Stream Width of reach (m)</b>
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 20  
 Sand: 10 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_  
 Embeddedness of Substrate at Sample Site (%) 0 Canopy Cover at Sample Site (%) 40

**Stream and Watershed Descriptors**

N = Not a problem  
 U = Uncertain  
 PL = Present, Low Impact  
 PH = Present, High Impact

Factors that may be influencing Water Resource Integrity		Local	Water-shed	Factors that may be influencing Water Resource Integrity		Local	Water-shed
<b>Biological</b>			<b>Chemical</b>				
Algae:	- Diatoms / Periphyton			Chlorine			
	- Filamentous Algae			Dissolved Oxygen			
	- Planktonic Algae			Nutrients (P, N...)			
	Iron Bacteria			Toxics: - Inorganic (Metals)			
	Macrophytes			- Organic (PCBs, pesticides...)			
	Slimes			Other - Specify:			
	Other - Specify:			<b>Sources of Stream Impacts</b>			
			Bank Erosion				
			Point Source - Specify:				
<b>Physical</b>			Pasturing of Livestock				
	Bank Erosion			Runoff: - Barnyard			
	Channelization: - Upstream			- Construction			
	- Downstream			- Cropland			
	Hydraulic Scour / Channel Incision			- Urban			
	Impoundment: - Upstream			Septic Systems			
	- Downstream			Tile Drainage - Organic Soils			
	Low Flow			- Mineral Soils			
	Sedimentation			Springs			
	Sludge			Tributary(s)			
	Thermal			Wetland			
	Turbidity			Other - Specify:			
	Other - Specify:						

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter Andrew Kohlmann	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 4/18/17	Specimens Saved Subsample archived in ABL until Oct 2020	

B1-91  
 D2-160

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis intercalaris</i>	L	II	2	Kluber & Krenz 2016		
<i>B. flavistriga</i> species complex	L	I	1	"		
<i>Acentrella parvula</i>	L	I	1	"		
<i>Platidictus dubius</i>	L	II	7	"		
<i>Steracron</i>	L	II	2	"	imm	N
<i>S. interpunctatum</i>	L	XII	12	"		
<i>Maccaffertium</i>	L	III	38	"	imm	N
<i>M. terminatum</i>	L	I	5	"		
<i>Anthopotamus</i>	L	III	4	"	imm	N
<i>A. myops</i>	L	I	5	"		
<i>Tricorythodes</i>	L	III	8	"		
<i>Argia</i>	L	I	1	West, May 1996	dam	N
<i>A. maesta</i>	L	I	1	"		
<i>Cheumatopsyche</i>	L	XI	15	Hiltnerhoff 1965		
<i>Nyctopsyche betteni</i>	L	I	1	Schm, Nils. 1966		
<i>Ceratopsyche mucosa bifida</i> form	L	I	1	"		
<i>Chimarra obscura</i>	L	III	28	Hiltnerhoff 1962		
<i>Neureclipsis</i>	L	I	1	Hiltnerhoff 1965		
<i>Macronychus glabratus</i>	L	I	1	Hiltnerhoff, Schm. 1962		
<i>Stenelmis</i>	L	XII	12	"		N
<i>S. crenata</i>	A	I	1	"		
<i>S. grossa</i>	A	III	4	"		
<i>Cypha</i>	L	I	1	Hiltnerhoff 1965		
<i>Caecidotea</i>	A	I	1	Williams 1972	imm	
<i>Tubificerae</i> w/ capilliform chaetae	A	II	2	Klemm 1965		
<i>Hydrobiidae</i> NOT <i>Pantipodanum</i>	A	I	1	Brown 1991		
<i>Pisidium</i>	A	I	1	Burch 1972		
<i>Sphaerium</i>	A	III	23	"		
<i>Allyptotendipes</i>	L	III	8	Epler et al 2013		
<i>Microtendipes pedellus</i> group	L	I	1	"		